

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Rinaldo Poluzzi et al.
Filed : November 28, 2001
For : FILTERING DEVICE AND METHOD FOR REDUCING NOISE IN
ELECTRICAL SIGNALS, IN PARTICULAR ACOUSTIC SIGNALS
AND IMAGES

Docket No. : 854063.662
Date : November 28, 2001

Box Patent Application
Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

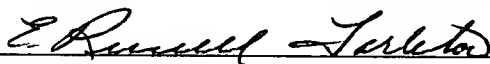
In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

Rinaldo Poluzzi et al.

Seed Intellectual Property Law Group PLLC


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Enclosures:

Form PTO-1449
Copy of European Search Report
Cited References (10)
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FORM PTO-1449
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
854063.662

APPLICATION NO.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Rinaldo Poluzzi et al.

FILING DATE

November 28, 2001

GROUP ART UNIT

11/28/01

U.S. PTO

09/996014

11/28/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,220,373	06/15/93	Kanaya	355	204	
	AB	5,371,695	12/06/94	Baraszu	364	724.19	
	AC						

FOREIGN PATENT DOCUMENTS

	AD	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AE					
	AF					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AG	Tsai, H. et al., "On the Design of Neuro-Fuzzy Hybrid Multichannel Filters to Remove Impulsive Noise for Color Image Restoration," <i>Journal of Electronic Imaging</i> , 9(2):117-139, April 2000.
	AH	Castellanos, R. et al., "Performance of Nonlinear Methods in Medical Image Restoration," in <i>Proceedings of the IS&T/SPIE Conference on Nonlinear Image Processing X</i> , Dept. of Elec. Engineering, Texas Tech. Univ., San Jose, California, January 1999, pp. 252-258.
	AI	Di Giura, M. et al., "Adaptive Fuzzy Filtering for Audio Applications Using Neuro-Fuzzy Modelization," in <i>Proceedings of IEEE International Conf. On Neural Networks</i> , Houston, Texas, June 1997, pp. 2162-2166.
	AJ	Russo, F., "Hybrid Neuro-Fuzzy Filter for Impulse Noise Removal," <i>Journal of Patent Recognition</i> , 32(11):1843-1855, 1999.
	AK	Ainsleigh, P. et al., "B-Wavelet-Based Noise-Reduction Algorithm," <i>IEEE Trans. on Signal Processing</i> , 44(5):1279-1284, May 1996.
	AL	Arakawa, K., "Fuzzy Rule-Based Signal Processing and Its Application to Image Restoration," <i>IEEE Journal on Selected Areas in Communications</i> , 12(9):1495-1502, December 1994.
	AM	Cohen, A. et al., "Wavelets: The Mathematical Background," <i>Proceedings of the IEEE</i> , 84(4):514-522, April 1996.
	AN	Hess-Nielsen, N. et al., "Wavelets and Time-Frequency Analysis," <i>Proceedings of the IEEE</i> , 84(4):523-540, April 1996.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).